

Recent Advances in Science in Western Australia



Earth Sciences p33 Biological Sciences p40

Earth Sciences

- Ansell T J, Reason C J C, Smith I N & Keay K 2000 Evidence for decadal variability in southern Australian rainfall and relationships with regional pressure and sea surface temperature. *International Journal of Climatology* 20: 1113-1129.
- Arnason J G & Bird D K 2000 A gold- and platinum-mineralized layer in gabbros of the Kap Edvard Holm complex: Field, petrologic, and geochemical relations. *Economic Geology & the Bulletin of the Society of Economic Geologists* 95: 945-970.
- Baker J C, Havord P J, Martin K R & Ghori K A R 2000 Diagenesis and petrophysics of the Early Permian Moogooloo Sandstone, Southern Carnarvon basin, Western Australia. *AAPG Bulletin-American Association of Petroleum Geologists* 84: 250-265.
- Bamford M & McLoughlin S 2000 Cainozoic euphorbiacean wood from the Canning Basin, Western Australia. *Alcheringa* 24: 243-256.
- Banerjee P K 2000 Holocene and Late Pleistocene relative sea level fluctuations along the east coast of India. *Marine Geology* 167: 243-260.
- Barley M E, Kerrich R, Reudavy I & Xie Q 2000 Late Archaean Ti-rich, Al-depleted komatiites and komatiitic volcanoclastic rocks from the Murchison Terrane in Western Australia. *Australian Journal of Earth Sciences* 47: 873-883.
- Barnes S J 2000 Chromite in komatiites, II. Modification during greenschist to mid-amphibolite facies metamorphism. *Journal of Petrology* 41: 387-409.
- Becker J K, Siegesmund S & Jelsma H A 2000 The Chinamora batholith, Zimbabwe: structure and emplacement-related magnetic rock fabric. *Journal of Structural Geology* 22: 1837-1853.
- Beresford S W, Cas R A F, Lambert D D & Stone W E 2000 Vesicles in thick komatiite lava flows, Kambalda, Western Australia. *Journal of the Geological Society* 157: 11-14.
- Bodorkos S, Cawood P A & Oliver N H S 2000 Timing and duration of syn-magmatic deformation in the Mabel Downs Tonalite, northern Australia. *Journal of Structural Geology* 22: 1181-1198.
- Bolland M D A & Baker M J 2000 Powdered granite is not an effective fertilizer for clover and wheat in sandy soils from Western Australia. *Nutrient Cycling in Agroecosystems* 56: 59-68.
- Brauhart C W & Morant P 2000 Discussion on 'Geochemistry and geodynamic setting of volcanic and plutonic rocks associated with early Archaean volcanogenic massive sulfide mineralisation, Pilbara Craton' by Vearncombe, S.E., Kerrich, R., 1999. *Precambrian Research* 98, 243-270. *Precambrian Research* 104: 95-99.
- Brauhart C W, Huston D L & Andrew A S 2000 Oxygen isotope mapping in the Panorama VMS district, Pilbara Craton, Western Australia: applications to estimating temperatures of alteration and to exploration. *Mineralium Deposita* 35: 727-740.
- Bridle T, Molinari L, Skrypsi-Mantele S, Ye P & Mills J 2000 Start-up of the Subiaco Enersludge (TM) plant. *Water Science & Technology* 41: 31-36.
- Brugger J, Bettiol A A, Costa S, Lahaye Y, Bateman R, Lambert D D & Jamieson D N 2000 Mapping REE distribution in scheelite using luminescence. *Mineralogical Magazine* 64: 891-903.
- Brugger J, Lahaye Y, Costa S, Lambert D & Bateman R 2000 Inhomogeneous distribution of REE in scheelite and dynamics of Archaean hydrothermal systems (Mt. Charlotte and Drysdale gold deposits, Western Australia). *Contributions to Mineralogy & Petrology* 139: 251-264.
- Brunskill G J, Orpin A R, Zagorskis I, Woolfe K J & Ellison J 2001 Geochemistry and particle size of surface sediments of Exmouth Gulf, northwest shelf, Australia. *Continental Shelf Research* 21: 157-201.
- Butt C R M, Lintern M J & Anand R R 2000 Evolution of regoliths and landscapes in deeply weathered terrain - implications for geochemical exploration. *Ore Geology Reviews* 16: 167-183.
- Cawood P A & Nemchin A A 2000 Provenance record of a rift basin: U/Pb ages of detrital zircons from the Perth Basin, Western Australia. *Sedimentary Geology* 134: 209-234.
- Chamberlain K R & Bowring S A 2001 Apatite-feldspar U-Pb thermochronometer: a reliable, mid-range (similar to 450 degrees C), diffusion-controlled system. *Chemical Geology* 172: 173-200.
- Cheung K C & Venkitachalam T H 2000 Improving phosphate removal of sand infiltration system using alkaline fly ash. *Chemosphere* 41: 243-249.
- Clark D J, Hensen B J & Kinny P D 2000 Geochronological constraints for a two-stage history of the Albany-Fraser Orogen, Western Australia. *Precambrian Research* 102: 155-183.
- Clarke C J, George R J, Bennett D L & Bell R W 2000 Geologically related variations in saturated hydraulic

- conductivity in the regolith of the western wheatbelt of Western Australia and its implications for the development of dryland salinity. *Australian Journal of Soil Research* 38: 555-568.
- Clements K W & Johnson P L 2000 The minerals industry and employment in Western Australia: assessing its impacts in federal electorates. *Resources Policy* 26: 77-89.
- Clitheroe G, Gudmundsson O & Kennett B L N 2000 The crustal thickness of Australia. *Journal of Geophysical Research-Solid Earth* 105: 13697-13713.
- Cole A, Wilkinson J J, Halls C & Serenko T J 2000 Geological characteristics, tectonic setting and preliminary interpretations of the Jilau gold-quartz vein deposit, Tajikistan. *Mineralium Deposita* 35: 600-618.
- Craig R S 2000 The cenozoic brachiopods of the Carnarvon Basin, Western Australia. *Palaeontology* 43: 111-152.
- Cutmore N, Evans T, Crnokrak D, Middleton A & Stoddard S 2000 Microwave technique for analysis of mineral sands. *Minerals Engineering* 13: 729-736.
- Damiani R J 2000 Early Triassic mastodonsaurids (Temnospondyli, Stereospondyli) from Western Australia, with remarks on mastodonsauroid palaeobiogeography. *Alcheringa* 24: 299-305.
- Dann J C 2000 The 3.5 Ga Komati Formation, Barberton Greenstone Belt, South Africa, Part I: New maps and magmatic architecture. *South African Journal of Geology* 103: 47-68.
- de Meijer R J, James I R, Jennings P J & Koeyers J E 2001 Cluster analysis of radionuclide concentrations in beach sand. *Applied Radiation & Isotopes* 54: 535-542.
- de Oliveira S M B & de Oliveira N M 2000 The morphology of gold grains associated with oxidation of sulphide-bearing quartz veins at Sao Bartolomeu, central Brazil. *Journal of South American Earth Sciences* 13: 217-224.
- Dentith M C, Dent V F & Drummond B J 2000 Deep crustal structure in the southwestern Yilgarn Craton, Western Australia. *Tectonophysics* 325: 227-255.
- D'Ercole C, Groves D I & Knox-Robinson C M 2000 Using fuzzy logic in a Geographic Information System environment to enhance conceptually based prospectivity analysis of Mississippi Valley-type mineralisation. *Australian Journal of Earth Sciences* 47: 913-927.
- Dodson J R & Lu J J 2000 A late Holocene vegetation and environment record from Byenup Lagoon, south-western Australia. *Australian Geographer* 31: 41-54.
- Douglas G B & Adeney J A 2000 Diagenetic cycling of trace elements in the bottom sediments of the Swan River Estuary, Western Australia. *Applied Geochemistry* 15: 551-566.
- Dragovich D 2000 Rock engraving chronologies and accelerator mass spectrometry radiocarbon age of desert varnish. *Journal of Archaeological Science* 27: 871-876.
- Drummond B J, Goleby B R, Owen A J, Yeates A N, Swager G, Zhang Y & Jackson J K 2000 Seismic reflection imaging of mineral systems: Three case histories. *Geophysics* 65: 1852-1861.
- Duuring P, Hagemann S G & Groves D I 2000 Structural setting, hydrothermal alteration, and gold mineralisation at the Archaean syenite-hosted Jupiter deposit, Yilgarn Craton, Western Australia. *Mineralium Deposita* 35: 402-421.
- Eastham J, Gregory P J & Williamson D R 2000 A spatial analysis of lateral and vertical fluxes of water associated with a perched watertable in a duplex soil. *Australian Journal of Soil Research* 38: 879-890.
- Eilu P, Mikucki E J & Dugdale A L 2001 Alteration zoning and primary geochemical dispersion at the Bronzewing lode-gold deposit, Western Australia. *Mineralium Deposita* 36: 13-31.
- Eriksson P G, Simpson E L, Eriksson K A, Bumby A J, Steyn G L & Sarkar S 2000 Muddy roll-up structures in siliciclastic interdune beds of the c. 1.8 Ga Waterberg Group, South Africa. *Palaios* 15: 177-183.
- Evans D A D, Li Z X, Kirschvink J L & Wingate M T D 2000 A high-quality mid-Neoproterozoic paleomagnetic pole from South China, with implications for ice ages and the breakup configuration of Rodinia. *Precambrian Research* 100: 313-334.
- Ewing S A, Grayson R B & Argent R M 2000 Science, citizens, and catchments: Decision support for catchment planning in Australia. *Society & Natural Resources* 13: 443-459.
- Eyles C H & Eyles N 2000 Subaqueous mass flow origin for Lower Permian diamictites and associated facies of the Grant Group, Barbwire Terrace, Canning Basin, Western Australia. *Sedimentology* 47: 343-356.
- Fan H R, Groves D I, Mikucki E J & McNaughton N J 2000 Contrasting fluid types at the Nevoria gold deposit in the Southern Cross greenstone belt, Western Australia: Implications of auriferous fluids depositing ores within an Archean banded iron-formation. *Economic Geology & the Bulletin of the Society of Economic Geologists* 95: 1527-1536.
- Featherstone W E 2000 Refinement of gravimetric geoid using GPS and leveling data. *Journal of Surveying Engineering-ASCE* 126: 27-56.
- Fernando W I S & Iizumi S 2001 Rb-Sr whole rock-mineral isochron ages of plutonic rocks from the Wannu complex, Sri Lanka. *Gondwana Research* 4: 113-120.
- Fischer R, Pernet B & Reitner J 2000 Organomineralization of cirratulid annelid tubes - Fossil and recent examples. *Facies* 42: 35-49.
- Folling P G, Zartman R E & Frimmel H E 2000 A novel approach to double-spike Pb-Pb dating of carbonate rocks: examples from Neoproterozoic sequences in southern Africa. *Chemical Geology* 171: 97-122.
- Frost B R, Chamberlain K R, Swapp S, Frost C D & Hulsebosch T P 2000 Late Archean structural and metamorphic history of the Wind River Range: Evidence for a long-lived active margin on the Archean Wyoming

- craton. Geological Society of America Bulletin 112: 564-578.
- Frost F M 2000 Value orientations: impact and implications in the extension of complex farming systems. Australian Journal of Experimental Agriculture 40: 511-517.
- Frujtier C, Elliott T & Schlager W 2000 Mass-spectrometric U-234-Th-230 ages from the Key Largo Formation, Florida Keys, United States: Constraints on diagenetic age disturbance. Geological Society of America Bulletin 112: 267-277.
- Fujiyasu Y & Fahey M 2000 Experimental study of evaporation from saline tailings. Journal of Geotechnical & Geoenvironmental Engineering 126: 18-27.
- Fujiyasu Y, Fahey M & Newson T 2000 Field investigation of evaporation from freshwater tailings. Journal of Geotechnical & Geoenvironmental Engineering 126: 556-567.
- Gammon P R, James N P & Pisera A 2000 Eocene spiculites and spongolites in southwestern Australia: Not deep, not polar, but shallow and warm. Geology 28: 855-858.
- Gammon P R, James N P, Clarke J D A & Bone Y 2000 Sedimentology and lithostratigraphy of upper eocene sponge-rich sediments, southern Western Australia. Australian Journal of Earth Sciences 47: 1087-1103.
- Gardoll S J, Groves D I, Knox-Robinson C M, Yun G Y & Elliott N 2000 Developing the tools for geological shape analysis, with regional- to local-scale examples from the Kalgoorlie Terrane of Western Australia. Australian Journal of Earth Sciences 47: 943-953.
- Gibbons W 2000 Amphibole asbestos in Africa and Australia: geology, health hazard and mining legacy. Journal of the Geological Society 157: 851-858.
- Godfrey J S & Mansbridge J V 2000 Ekman transports, tidal mixing, and the control of temperature structure in Australia's northwest waters. Journal of Geophysical Research-Oceans 105: 24021-24044.
- Gomez-Gras D, Parcerisa D, Bitzer K, Calvet F, Roca E & Thiry M 2000 Hydrogeochemistry and diagenesis of Miocene sandstones at Montjuic, Barcelona (Spain). Journal of Geochemical Exploration 69: 177-182.
- Green M G, Sylvester P J & Buick R 2000 Growth and recycling of early Archaean continental crust: geochemical evidence from the Coonterunah and Warrawoona Groups, Pilbara Craton, Australia. Tectonophysics 322: 69-88.
- Greenhalgh S A, Mason L M & Sinadinovski C 2000 In-mine seismic delineation of mineralization and rock structure. Geophysics 65: 1908-1919.
- Groves D I, Goldfarb R J, Knox-Robinson C M, Ojala J, Gardoll S, Yun G Y & Holyland P 2000 Late-kinematic timing of orogenic gold deposits and significance for computer-based exploration techniques with emphasis on the Yilgarn Block, Western Australia. Ore Geology Reviews 17: 1-38.
- Hamano H, Egashira Y & Kojima T 2000 Numerical simulation of infiltration in soil of Australian arid land. Kagaku Kogaku Ronbunshu 26: 581-587.
- Harper R J, McKissock I, Gilkes R J, Carter D J & Blackwell P S 2000 A multivariate framework for interpreting the effects of soil properties, soil management and landuse on water repellency. Journal of Hydrology 231: 371-383.
- Hassett R C, Wood H L, Carter J O & Danaher T J 2000 A field method for statewide ground-truthing of a spatial pasture growth model. Australian Journal of Experimental Agriculture 40: 1069-1079.
- Hassler S W & Simonson B M 2001 The sedimentary record of extraterrestrial impacts in deep-shelf environments: Evidence from the early Precambrian. Journal of Geology 109: 1-19.
- Hassler S W, Robey H F & Simonson B M 2000 Bedforms produced by impact-generated tsunami, similar to 2.6 Ga Hamersley basin, Western Australia. Sedimentary Geology 135: 283-294.
- Haydon D T, Friar J K & Pianka E R 2000 Fire-driven dynamic mosaics in the Great Victoria Desert, Australia - 1. Fire geometry. Landscape Ecology 15: 373-381.
- Haylock M & Nicholls N 2000 Trends in extreme rainfall indices for an updated high quality data set for Australia, 1910-1998. International Journal of Climatology 20: 1533-1541.
- Henderson G M & Slowey N C 2000 Evidence from U-Th dating against Northern Hemisphere forcing of the penultimate deglaciation. Nature 404: 61-66.
- Hill A C, Cotter K L & Grey K 2000 Mid-Neoproterozoic biostratigraphy and isotope stratigraphy in Australia. Precambrian Research 100: 281-298.
- Hindarti D, Spickett J T & Evans L H 2000 Distribution of cadmium in the cockle (*Katelysia scalarina*) in Princess Royal Harbour, Albany, Western Australia. Environmental Toxicology 15: 40-47.
- Holdgate G R & Clarke J D A 2000 A review of Tertiary brown coal deposits in Australia - Their depositional factors and eustatic correlations. AAPG Bulletin-American Association of Petroleum Geologists 84: 1129-1151.
- Hoskin P W O & Black L P 2000 Metamorphic zircon formation by solid-state recrystallization of protolith igneous zircon. Journal of Metamorphic Geology 18: 423-439.
- Housh T & McMahon T P 2000 Ancient isotopic characteristics of Neogene potassic magmatism in Western New Guinea (Irian Jaya, Indonesia). Lithos 50: 217-239.
- Howe R W, Haig D W & Apthorpe M C 2000 Cenomanian-Coniacian transition from siliciclastic to carbonate marine deposition, Giralia Anticline, Southern Carnarvon Platform, Western Australia. Cretaceous Research 21: 517-551.
- Huang Y T, Gedeon T D & Wong P M 2001 An integrated neural-fuzzy-genetic-algorithm using hyper-surface membership functions to predict permeability in petroleum reservoirs. Engineering Applications of Artificial Intelligence 14: 15-21.

- Hurley P J & Luhar A K 2000 The Kwinana Coastal Fumigation Study: III - Meteorological and turbulence modelling on selected days. *Boundary-Layer Meteorology* 94: 115-138.
- Huston D L, Smithies R H & Sun S S 2000 Correlation of the Archaean Mallina - Whim Creek Basin: implications for base-metal potential of the central part of the Pilbara granite-greenstone terrane. *Australian Journal of Earth Sciences* 47: 217-230.
- James N P, Feary D A, Surlyk F, Simo J A T, Betzler C, Holbourn A E, Li Q Y, Matsuda H, Machiyama H, Brooks G R, Andres M S, Hine A C & Malone M J 2000 Quaternary bryozoan reef mounds in cool-water, upper slope environments: Great Australian Bight. *Item Corporate Author Ocean Drilling Program Leg 182: 647-650*.
- Jayananda M, Moyen J F, Martin H, Peucat J J, Auvray B & Mahabaleswar B 2000 Late Archaean (2550-2520 Ma) juvenile magmatism in the Eastern Dharwar craton, southern India: constraints from geochronology, Nd-Sr isotopes and whole rock geochemistry. *Precambrian Research* 99: 225-254.
- Jelsma H A & Dirks P 2000 Tectonic evolution of a greenstone sequence in northern Zimbabwe: sequential early stacking and pluton diapirism. *Tectonics* 19: 135-152.
- Jia Y F & Kerrich R 2000 Giant quartz vein systems in accretionary orogenic belts: the evidence for a metamorphic fluid origin from delta N-15 and delta C-13 studies. *Earth & Planetary Science Letters* 184: 211-224.
- Jia Y, Li X & Kerrich R 2000 A fluid inclusion study of Au-bearing quartz vein systems in the Central and North Deborah deposits of the Bendigo Gold Field, central Victoria, Australia. *Economic Geology & the Bulletin of the Society of Economic Geologists* 95: 467-493.
- Jothityangkoon C, Sivapalan M & Viney N R 2000 Tests of a space-time model of daily rainfall in southwestern Australia based on nonhomogeneous random cascades. *Water Resources Research* 36: 267-284.
- Kakegawa T, Kasahara Y, Hayashi K & Ohmoto H 2000 Sulfur and carbon isotope analyses of the 2.7 Ga Jeerinah Formation, Fortescue Group, Australia. *Geochemical Journal* 34: 121-133.
- Kalia P, Pande P K & Singh T 2000 Early Permian Foraminifera from Eastern Himalaya and their palaeobiogeographic significance. *Alcheringa* 24: 207-227.
- Kaltoft K, Schlatter D M & Kludt L 2000 Geology and genesis of Nalunaq Palaeoproterozoic shear zone-hosted gold deposit, South Greenland. *Transactions of the Institution of Mining & Metallurgy Section B-Applied Earth Science* 109: B23-B33.
- Kaufmann B & Wendt J 2000 Calcite cement successions in Middle Devonian (Givetian) carbonate mud buildups of the Southern Ahnet Basin (Algerian Sahara). *Carbonates & Evaporites* 15: 149-161.
- Knight J T, Ridley J R & Groves D I 2000 The Archean amphibolite facies Coolgardie Goldfield, Yilgarn craton, western Australia: Nature, controls, and gold field-scale patterns of hydrothermal wall-rock alteration. *Economic Geology & the Bulletin of the Society of Economic Geologists* 95: 49-83.
- Knox-Robinson C M 2000 Vectorial fuzzy logic: a novel technique for enhanced mineral prospectivity mapping, with reference to the orogenic gold mineralisation potential of the Kalgoorlie Terrane, Western Australia. *Australian Journal of Earth Sciences* 47: 929-941.
- Kolb J, Kisters A F M, Hoernes S & Meyer F M 2000 The origin of fluids and nature of fluid-rock interaction in mid-crustal auriferous mylonites of the Renco mine, southern Zimbabwe. *Mineralium Deposita* 35: 109-125.
- Krapez B, Brown S J A, Hand J, Barley M E & Cas R A F 2000 Age constraints on recycled crustal and supracrustal sources of Archaean metasedimentary sequences, Eastern Goldfields Province, Western Australia: evidence from SHRIMP zircon dating. *Tectonophysics* 322: 89-133.
- Kraus H, Ewenz C M, Kremer M & Hacker J M 2000 The multi-scale structure of the Australian cool changes. *Meteorology & Atmospheric Physics* 73: 157-175.
- Kuhnert H, Patzold J, Wyrwoll K H & Wefer G 2000 Monitoring climate variability over the past 116 years in coral oxygen isotopes from Ningaloo Reef, Western Australia. *International Journal of Earth Sciences* 88: 725-732.
- Lambert D D, Frick L R, Foster J G, Li C S & Naldrett A J 2000 Re-Os isotope systematics of the Voisey's Bay Ni-Cu-Co magmatic sulfide system, Labrador, Canada: II. Implications for parental magma chemistry ore genesis, and metal redistribution. *Economic Geology & the Bulletin of the Society of Economic Geologists* 95: 867-888.
- Lascelles D F 2000 Marra Mamba iron formation stratigraphy in the eastern Chichester range, Western Australia. *Australian Journal of Earth Sciences* 47: 799-806.
- Leutz R, Ackermann T, Akisawa A & Kashiwagi T 2001 Solar radiation for sorption cooling in Australiasia. *Renewable Energy* 22: 395-402.
- Li D Y, Komiyama H, Kurihara K & Sato Y S 2000 Case studies of the impact of landscape changes on weather modification in western Australia in summer. *Journal of Geophysical Research-Atmospheres* 105: 12303-12315.
- Li Z X 2000 New palaeomagnetic results from the 'cap dolomite' of the Neoproterozoic Walsh Tillite, northwestern Australia. *Precambrian Research* 100: 359-370.
- Liu Y, Naraoka H, Hayashi K & Ohmoto H 2000 Laser microprobe technique for stable carbon isotope analyses of organic carbon in sedimentary rocks. *Geochemical Journal* 34: 195-205.
- Lowe D & Lloyd C R 2001 Renewable energy systems for remote areas in Australia. *Renewable Energy* 22: 369-378.
- Lukey G C, Van Deventer J S J & Shallcross D C 2001 Equilibrium model for the sorption of gold cyanide and

- copper cyanide on trimethylamine ion exchange resin in saline solutions. *Hydrometallurgy* 59: 101-113.
- Mair J L, Ojala V J, Salier B P, Groves D I & Brown S M 2000 Application of stress mapping in cross-section to understanding ore geometry, predicting ore zones and development of drilling strategies. *Australian Journal of Earth Sciences* 47: 895-912.
- Marie J S & Kesler S E 2000 Iron-rich and iron-poor Mississippi Valley-type mineralization, Metaline district, Washington. *Economic Geology & the Bulletin of the Society of Economic Geologists* 95: 1091-1106.
- Martin D M, Powell C M & George A D 2000 Stratigraphic architecture and evolution of the early Paleoproterozoic McGrath Trough, Western Australia. *Precambrian Research* 99: 33-64.
- Matsunaga M, Fukuda K, Kato Y & Nakai I 2000 Characterization of banded iron formations by two-dimensional XRF imaging and XANES analyses. *Resource Geology* 50: 75-81.
- McCulloch M T & Esat T 2000 The coral record of last interglacial sea levels and sea surface temperatures. *Chemical Geology* 169: 107-129.
- McKissock I, Walker E L, Gilkes R J & Carter D J 2000 The influence of clay type on reduction of water repellency by applied clays: a review of some West Australian work. *Journal of Hydrology* 231: 323-332.
- Melezhik V A, Fallick A E, Medvedev P V & Makarikhin V V 2000 Palaeoproterozoic magnesite-stromatolite-dolostone-'red bed' association, Russian Karelia: palaeoenvironmental constraints on the 2.0 Ga-positive carbon isotope shift. *Norsk Geologisk Tidsskrift* 80: 163-185.
- Messenger P R 2000 Geochemistry of the Yandal belt metavolcanic rocks, Eastern Goldfields Province, Western Australia. *Australian Journal of Earth Sciences* 47: 1015-1028.
- Mihaylov I, Krause E, Colton D F, Okita Y, Duterque J P & Perraud J L 2000 The development of a novel hydrometallurgical process for nickel and cobalt recovery from Goro laterite ore. *CIM Bulletin* 93: 124-130.
- Mojzsis S J, Harrison T M & Pidgeon R T 2001 Oxygen-isotope evidence from ancient zircons for liquid water at the Earth's surface 4,300 Myr ago. *Nature* 409: 178-181.
- Moore A G, Cas R A F, Beresford S W & Stone M 2000 Geology of an Archaean metakomatiite succession, Tramways, Kambalda Ni province, Western Australia: assessing the extent to which volcanic facies architecture and flow emplacement mechanisms can be reconstructed. *Australian Journal of Earth Sciences* 47: 659-673.
- Mory A J, Iasky R P, Glikson A Y & Pirajno F 2000 Response to 'Critical comment on A.J. Mory et al., 2000, Woodleigh, Carnarvon Basin, Western Australia: a new 120 km diameter impact structure' by W.U. Reimold and C. Koeberl - Discussion. *Earth & Planetary Science Letters* 184: 359-365.
- Mory A J, Iasky R P, Glikson A Y & Pirajno F 2000 Woodleigh, Carnarvon Basin, Western Australia: a new 120 km diameter impact structure. *Earth & Planetary Science Letters* 177: 119-128.
- Mueller A G & McNaughton N J 2000 U-Pb ages constraining batholith emplacement, contact metamorphism, and the formation of gold and W-Mo skarns in the Southern Cross area, Yilgarn craton, western Australia. *Economic Geology & the Bulletin of the Society of Economic Geologists* 95: 1231-1257.
- Murray-Wallace C V, Beu A G, Kendrick G W, Brown L J, Belperio A P & Sherwood J E 2000 Palaeoclimatic implications of the occurrence of the arcoid bivalve *Anadara trapezia* (Deshayes) in the Quaternary of Australasia. *Quaternary Science Reviews* 19: 559-590.
- Nelson D R, Robinson B W & Myers J S 2000 Complex geological histories extending for ≥ 4.0 Ga deciphered from xenocryst zircon microstructures. *Earth & Planetary Science Letters* 181: 89-102.
- Newsome D & Walden J 2000 Mineral magnetic evidence for heterogeneous sandplain regolith in Western Australia. *Journal of Arid Environments* 45: 139-150.
- Newsome D 2000 Origin of sandplains in Western Australia: a review of the debate and some recent findings. *Australian Journal of Earth Sciences* 47: 695-706.
- Oberthur T, Blenkinsop T G, Hein U F, Hoppner M, Hohndorf A & Weiser T W 2000 Gold mineralization in the Mazowe area, Harare-Bindura-Shamva greenstone belt, Zimbabwe: II. Genetic relationships deduced from mineralogical, fluid inclusion and stable isotope studies, and the Sm-Nd isotopic composition of scheelites. *Mineralium Deposita* 35: 138-156.
- Oliver N H S & Cawood P A 2001 Early tectonic dewatering and brecciation on the overturned sequence at Marble Bar, Pilbara Craton, Western Australia: dome-related or not? *Precambrian Research* 105: 1-15.
- Olivero E B & Medina F A 2000 Patterns of Late Cretaceous ammonite biogeography in southern high latitudes: the family Kosmaticeratidae in Antarctica. *Cretaceous Research* 21: 269-279.
- O'Mara K L & Jennings P J 2001 Greenhouse education: Just Hot Air? *Renewable Energy* 22: 127-133.
- Pan Y M & Stauffer M R 2000 Cerium anomaly and Th/U fractionation in the 1.85 Ga Flin Flon Paleosol: Clues from REE- and U-rich accessory minerals and implications for paleoatmospheric reconstruction. *American Mineralogist* 85: 898-911.
- Patterson B M, Franzmann P D, Rayner J L & Davis G B 2000 Combining coring and suction cup data to improve the monitoring of pesticides in sandy vadose zones: a field-release experiment. *Journal of Contaminant Hydrology* 46: 187-204.
- Paul K I, Black A S & Conyers M K 2001 Influence of fallow, wheat and subterranean clover on pH within an initially mixed surface soil in the field. *Biology & Fertility of Soils* 33: 41-52.

- Peter B N & Mizuno K 2000 Annual cycle of steric height in the Indian Ocean estimated from the thermal field. *Deep-Sea Research Part I-Oceanographic Research Papers* 47: 1351-1368.
- Pidgeon R T & Hallberg J A 2000 Age relationships in supracrustal sequences of the northern part of the Murchison Terrane, Archaean Yilgarn Craton, Western Australia: a combined field and zircon U-Pb study. *Australian Journal of Earth Sciences* 47: 153-165.
- Pidgeon R T, Macambira M J B & Lafon J M 2000 Th-U-Pb isotopic systems and internal structures of complex zircons from an enderbite from the Plum Complex, Carajas Province, Brazil: evidence for the ages of granulite facies metamorphism and the protolith of the enderbite. *Chemical Geology* 166: 159-171.
- Pillans B & Bourman R 2001 Mid Pleistocene arid shift in southern Australia, dated by magnetostratigraphy. *Australian Journal of Soil Research* 39: 89-98.
- Pinti D L & Hashizume K 2001 N-15-depleted nitrogen in Early Archean kerogens: clues on ancient marine chemosynthetic-based ecosystems? A comment to Beaumont, V., Robert, F., 1999. *Precambrian Res.* 96, 62-82. *Precambrian Research* 105: 85-88.
- Pirajno F & Occhipinti S A 2000 Three Palaeoproterozoic basins - Yerrida, Bryah and Padbury - Capricorn Orogen, Western Australia. *Australian Journal of Earth Sciences* 47: 675-688.
- Planke S, Symonds P A, Alvestad E & Skogseid J 2000 Seismic volcanostratigraphy of large-volume basaltic extrusive complexes on rifted margins. *Journal of Geophysical Research-Solid Earth* 105: 19335-19351.
- Prendergast M D 2000 Layering and Precious Metals mineralization in the Rincon del Tigre Complex, eastern Bolivia. *Economic Geology & the Bulletin of the Society of Economic Geologists* 95: 113-130.
- Price D M, Brooke B P & Woodroffe C D 2001 Thermoluminescence dating of aeolianites from Lord Howe Island and South-West Western Australia. *Quaternary Science Reviews* 20: 841-846.
- Qiu S & McComb A 2000 Properties of sediment phosphorus in seven wetlands of the Swan Coastal Plain, South-Western Australia. *Wetlands* 20: 267-279.
- Rasmussen B & Buick R 2000 Oily old ores: Evidence for hydrothermal petroleum generation in an Archean volcanogenic massive sulfide deposit. *Geology* 28: 731-734.
- Rasmussen B & Krapez B 2000 Evidence of hydrocarbon and metalliferous fluid migration in the Palaeoproterozoic Earahedy Basin of Western Australia. *Journal of the Geological Society* 157: 355-366.
- Rasmussen B 2000 Filamentous microfossils in a 3,235-million-year-old volcanogenic massive sulphide deposit. *Nature* 405: 676-679.
- Rate A W, Robertson A E & Borg A T 2000 Distribution of heavy metals in near-shore sediments of the Swan River estuary, Western Australia. *Water, Air, & Soil Pollution* 124: 155-168.
- Reimold W U & Koeberl C 2000 Critical comment on: A.J. Mory et al. 'Woodleigh, Carnarvon Basin, Western Australia: a new 120 km diameter impact structure' - Discussion. *Earth & Planetary Science Letters* 184: 353-357.
- Remus M V D, Hartmann L A, McNaughton N J, Groves D I & Fletcher I R 2000 The link between hydrothermal epigenetic copper mineralization and the Cacapava Granite of the Brasiliano Cycle in southern Brazil. *Journal of South American Earth Sciences* 13: 191-216.
- Remus M V D, Hartmann L A, McNaughton N J, Groves D I & Reischl J L 2000 Distal magmatic-hydrothermal origin for the Camaqua Cu (Au-Ag) and Santa Maria Pb, Zn (Cu-Ag) deposits, southern Brazil. *Gondwana Research* 3: 155-174.
- Riding R 2000 Microbial carbonates: the geological record of calcified bacterial-algal mats and biofilms. *Sedimentology* 47: 179-214.
- Ridley J & Mengler F 2000 Lithological and structural controls on the form and setting of vein stockwork orebodies at the Mount Charlotte gold deposit, Kalgoorlie. *Economic Geology & the Bulletin of the Society of Economic Geologists* 95: 85-98.
- Robertson M, Nichols P, Horwitz P, Bradby K & MacKintosh D 2000 Environmental narratives and the need for multiple perspectives to restore degraded landscapes in Australia. *Ecosystem Health* 6: 119-133.
- Rokich D P, Dixon K W, Sivasithamparam K & Meney K A 2000 Topsoil handling and storage effects on woodland restoration in Western Australia. *Restoration Ecology* 8: 196-208.
- Ruan H D & Gilkes R J 2000 Phosphorus accumulation in farm ponds and dams in southwestern Australia. *Journal of Environmental Quality* 29: 1875-1881.
- Rye R & Holland H D 2000 Life associated with a 2.76 Ga ephemeral pond?: Evidence from Mount Roe #2 paleosol. *Geology* 28: 483-486.
- Sanderson P G, Eliot I, Hegge B & Maxwell S 2000 Regional variation of coastal morphology in southwestern Australia: a synthesis. *Geomorphology* 34: 73-88.
- Sankaran A V 2000 Early Archean life in deep-sea hydrothermal ecosystem. *Current Science* 79: 1520-1522.
- Sankaran A V 2000 The quest for earth's oldest crust. *Current Science* 79: 935-937.
- Saxey D W, Edwards C, Taylor C T & van Kann F J 2000 A high-resolution superconducting pressure gauge for studies of critical phenomena in quantum fluids. *Physica B* 284: 2043-2044.
- Scheinost A C, Stanjek H, Schulze D G, Gasser U & Sparks D L 2001 Structural environment and oxidation state of Mn in goethite-groutite solid-solutions. *American Mineralogist* 86: 139-146.
- Schiller A, Godfrey J S, McIntosh P C, Meyers G & Fiedler R 2000 Interannual dynamics and thermodynamics of the

- Indo-Pacific oceans. *Journal of Physical Oceanography* 30: 987-1012.
- Schwertmann U, Friedl J, Stanjek H & Schulze D G 2000 The effect of Al on Fe oxides. XIX. Formation of Al-substituted hematite from ferrihydrite at 25 degrees C and pH 4 to 7. *Clays & Clay Minerals* 48: 159-172.
- Sharpe R & Gemmell J B 2000 Sulfur isotope characteristics of the Archean Cu-Zn Gossan Hill VHMS deposit, Western Australia. *Mineralium Deposita* 35: 533-550.
- Simonson B M, Davies D & Hassler S W 2000 Discovery of a layer of probable impact melt spherules in the Late Archaean Jeerinah Formation, Fortescue Group, Western Australia. *Australian Journal of Earth Sciences* 47: 315-325.
- Simonson B M, Koeberl C, McDonald I & Reimold W U 2000 Geochemical evidence for an impact origin for a Late Archean spherule layer, Transvaal Supergroup, South Africa. *Geology* 28: 1103-1106.
- Smith I N, McIntosh P, Ansell T J, Reason C J C & McInnes K 2000 Southwest Western Australian winter rainfall and its association with Indian Ocean climate variability. *International Journal of Climatology* 20: 1913-1930.
- Smith R E, Anand R R & Alley N F 2000 Use and implications of paleoweathering surfaces in mineral exploration in Australia. *Ore Geology Reviews* 16: 185-204.
- Smithies R H & Champion D C 2000 The Archaean high-Mg diorite suite: Links to tonalite-trondhjemite-granodiorite magmatism and implications for early Archaean crustal growth. *Journal of Petrology* 41: 1653-1671.
- Soja C M, White B, Antoshkina A, Joyce S, Mayhew L, Flynn B & Gleason A 2000 Development and decline of a Silurian stromatolite reef complex, Glacier Bay National Park, Alaska. *Palaios* 15: 273-292.
- Song T & Cawood P A 2000 Structural styles in the Perth Basin associated with the Mesozoic break-up of Greater India and Australia. *Tectonophysics* 317: 55-72.
- Stejskal I V 2000 Obtaining approvals for oil and gas projects in shallow water marine areas in Western Australia using an environmental risk assessment framework. *Spill Science & Technology Bulletin* 6: 69-76.
- Stone M S & Stone W E 2000 A crustally contaminated komatiitic dyke-sill-lava complex, Abitibi greenstone belt, Ontario. *Precambrian Research* 102: 21-46.
- Summers R, Clarke M, Pope T & O'Dea T 2000 Comparison of single superphosphate and superphosphate coated with bauxite residue for subterranean clover production on phosphorus-leaching soils. *Australian Journal of Soil Research* 38: 735-744.
- Symanski E, Chang C C & Chan W 2000 Long-term trends in exposures to nickel aerosols. *American Industrial Hygiene Association Journal* 61: 324-333.
- Takahashi K & Okada H 2000 The paleoceanography for the last 30,000 years in the southeastern Indian Ocean by means of calcareous nanofossils. *Marine Micropaleontology* 40: 83-103.
- Tang C, Raphael C, Rengel Z & Bowden J W 2000 Understanding subsoil acidification: effect of nitrogen transformation and nitrate leaching. *Australian Journal of Soil Research* 38: 837-849.
- Thomas B, Kasture S V & Satyan V 2000 Sensitivity of Asian summer monsoon and tropical circulations to 1987 and 1988 sea surface temperature anomalies. *Atmosfera* 13: 147-166.
- Tobar M E 2000 Applications of low-temperature microwave techniques to the measurement of gravity waves and quantum measurement of macroscopic systems. *Physica B* 280: 520-524.
- Todd M C L, Adams M A & Grierson P F 2000 Mineralisation of nitrogen in a chronosequence of rehabilitated bauxite mines. *Australian Journal of Soil Research* 38: 435-451.
- Twidale C R 2000 Early Mesozoic (? Triassic) landscapes in Australia: Evidence, argument, and implications. *Journal of Geology* 108: 537-552.
- van Aarssen B G K, Alexander R & Kagi R I 2000 Higher plant biomarkers reflect palaeovegetation changes during Jurassic times. *Geochimica et Cosmochimica Acta* 64: 1417-1424.
- van Haaften W M & White S H 2001 Reply to comment on "Evidence for multiphase deformation in the Archaean basal Warrawoona group in the Marble Bar area, East Pilbara, Western Australia" (van Haaften, W.M., White, S.H., 1998. *Precambrian Research* 88, 53-66) by M.J. Van Kranendonk, A.H. Hickman, W.J. Collins. *Precambrian Research* 105: 79-84.
- Van Kranendonk M J, Hickman A H & Collins W J 2001 Comment on "Evidence for multiphase deformation in the Archaean basal Warrawoona group in the Marble Bar area, East Pilbara, Western Australia" by van Haaften, W.M., White, S.H., 1998 - *Precambrian Research* 88, 53-66. *Precambrian Research* 105: 73-78.
- Vearncombe S & Kerrich R 2000 Reply to discussion on 'Geochemistry and geodynamic setting of volcanic and plutonic rocks associated with early Archaean volcanogenic massive sulfide mineralisation, Pilbara Craton' (Vearncombe, S.E., Kerrich, R., 1999. *Precambrian Research* 98, 243-270) by C.W. Brauhart, P. Morant. *Precambrian Research* 104: 101-105.
- Veeh H H, McCorkle D C & Heggie D T 2000 Glacial/interglacial variations of sedimentation on the West Australian continental margin: constraints from excess Th-230. *Marine Geology* 166: 11-30.
- Voicu G, Bardoux M, Stevenson R & Jebrak M 2000 Nd and Sr isotope study of hydrothermal scheelite and host rocks at Omai, Guiana Shield: implications for ore fluid source and flow path during the formation of orogenic gold deposits. *Mineralium Deposita* 35: 302-314.
- Warren J K 2000 Evaporites, brines and base metals: low-temperature ore emplacement controlled by evaporite diagenesis. *Australian Journal of Earth Sciences* 47: 179-208.
- Weedon D M & Wilson F 2000 Modelling iron ore degrada-

- tion using a twin pendulum breakage device. *International Journal of Mineral Processing* 59: 195-213.
- White W B 2000 Influence of the Antarctic circumpolar wave on Australian precipitation from 1958 to 1997. *Journal of Climate* 13: 2125-2141.
- Whitten M G, Wong M T F & Rate A W 2000 Amelioration of subsurface acidity in the south-west of Western Australia: downward movement and mass balance of surface-incorporated lime after 2-15 years. *Australian Journal of Soil Research* 38: 711-728.
- Wilde S A, Valley J W, Peck W H & Graham C M 2001 Evidence from detrital zircons for the existence of continental crust and oceans on the Earth 4.4 Gyr ago. *Nature* 409: 175-178.
- Williams D A, Fagents S A & Greeley R 2000 A reassessment of the emplacement and erosional potential of turbulent, low-viscosity lavas on the Moon. *Journal of Geophysical Research-Planets* 105: 20189-20205.
- Williams D A, Wilson A H & Greeley R 2000 A komatiite analog to potential ultramafic materials on Io. *Journal of Geophysical Research-Planets* 105: 1671-1684.
- Williams G E 2000 Geological constraints on the Precambrian history of earth's rotation and the moon's orbit. *Reviews of Geophysics* 38: 37-59.
- Williams M 2000 Watering the western third: Water, land and community in Western Australia, 1826-1998. Powell, JM 1998 English. *Progress in Human Geography* 24: 335-336.
- Winchester-Seeto T, Foster C & O'Leary T 2000 Chitinozoans from the Middle Ordovician (Darriwilian) Goldwyer and Nita formations, Canning Basin (Western Australia). *Acta Palaeontologica Polonica* 45: 271-300.
- Wingate M T D & Giddings J W 2000 Age and palaeomagnetism of the Mundine Well dyke swarm, Western Australia: implications for an Australia-Laurentia connection at 755 Ma. *Precambrian Research* 100: 335-357.
- Wingate M T D, Campbell I H & Harris L B 2000 SHRIMP baddeleyite age for the Fraser Dyke Swarm, southeast Yilgarn Craton, Western Australia. *Australian Journal of Earth Sciences* 47: 309-313.
- Wong P M, Jang M, Cho S Z & Gedeon T D 2000 Multiple permeability predictions using an observational learning algorithm. *Computers & Geosciences* 26: 907-913.
- Wood R & Oppenheimer C 2000 Spur and groove morphology from a Late Devonian reef. *Sedimentary Geology* 133: 185-193.
- Wood R 2000 Novel paleoecology of a postextinction reef: Famennian (Late Devonian) of the Canning basin, north-western Austral. *Geology* 28: 987-990.
- Wood R 2000 Palaeoecology of a Late Devonian back reef: Canning Basin, Western Australia. *Palaeontology* 43: 671-703.
- Wright J S 2000 Tufa Accumulations in Ephemeral Streams: observations from the Kimberley, north-west Australia. *Australian Geographer* 31: 333-347.
- Zhang Y J, Salisch H A & Arns C 2000 Permeability evaluation in a glauconite-rich formation in the Carnarvon Basin, Western Australia. *Geophysics* 65: 46-53.
- Zhou M F, Zhao T P, Malpas J & Sun M 2000 Crustal-contaminated komatiitic basalts in Southern China: products of a Proterozoic mantle plume beneath the Yangtze Block. *Precambrian Research* 103: 175-189.
- Zhou T H & Lu G X 2000 Tectonics, granitoids and mesozoic gold deposits in East Shandong, China. *Ore Geology Reviews* 16: 71-90.
- Zumsprekel H & Prinz T 2000 Computer-enhanced multispectral remote sensing data: a useful tool for the geological mapping of Archean terrains in (semi)arid environments. *Computers & Geosciences* 26: 87-100.

Biological Sciences

- Abbott I 2000 Improving the conservation of threatened and rare mammal species through translocation to islands: case study Western Australia. *Biological Conservation* 93: 195-201.
- Abbott I, Marchant N & Cranfield R 2000 Long-term change in the floristic composition and vegetation structure of Carnac Island, Western Australia. *Journal of Biogeography* 27: 333-346.
- Aken'Ova T O L & Cribb T H 2000 *Diplobulbus brayi* n. sp (Digenea: Opecoelidae) from *Odax acroptilus* (Perciformes: Odacidae) off Western Australia. *Systematic Parasitology* 46: 99-103.
- Alongi D M, Tirendi E & Clough B F 2000 Below-ground decomposition of organic matter in forests of the mangroves *Rhizophora stylosa* and *Avicennia marina* along the arid coast of Western Australia. *Aquatic Botany* 68: 97-122.
- Armstrong K N & Nichols O G 2000 Long-term trends in avifaunal recolonisation of rehabilitated bauxite mines in the jarrah forest of south-western Australia. *Forest Ecology & Management* 126: 213-225.
- Asseng S, Fillery I R P, Dunin F X, Keating B A & Meinke H 2001 Potential deep drainage under wheat crops in a Mediterranean climate. I. Temporal and spatial variability. *Australian Journal of Agricultural Research* 52: 45-56.
- Asseng S, Dunin F X, Fillery I R P, Tennant D & Keating B A 2001 Potential deep drainage under wheat crops in a Mediterranean climate. II. Management opportunities to control drainage. *Australian Journal of Agricultural Research* 52: 57-66.
- Auld T D, Keith D A & Bradstock R A 2000 Patterns in longevity of soil seedbanks in fire-prone communities of south-eastern Australia. *Australian Journal of Botany* 48: 539-548.
- Backhurst M K & Cole R G 2000 Biological impacts of boating at Kawau Island, north-eastern New Zealand. *Journal of Environmental Management* 60: 239-251.

- Baker M C 2000 Cultural diversification in the flight call of the Ringneck Parrot in Western Australia. *Condor* 102: 905-910.
- Bamford M & McLoughlin S 2000 Cainozoic euphorbiacean wood from the Canning Basin, Western Australia. *Alcheringa* 24: 243-256.
- Banks P B, Newsome A E & Dickman C R 2000 Predation by red foxes limits recruitment in populations of eastern grey kangaroos. *Austral Ecology* 25: 283-291.
- Bernard C, Simpson A G B & Patterson D J 2000 Some free-living flagellates (protista) from anoxic habitats. *Ophelia* 52: 113-142.
- Birch G F 2000 Marine pollution in Australia, with special emphasis on central New South Wales estuaries and adjacent continental margin. *International Journal of Environment & Pollution* 13: 573-607.
- Blacket M J, Adams M, Krajewski C & Westerman M 2000 Genetic variation within the dasyurid marsupial genus *Planigale*. *Australian Journal of Zoology* 48: 443-459.
- Boersma J G, Cooke D E L & Sivasithamparam K 2000 A survey of wildflower farms in the south-west of Western Australia for *Phytophthora* spp. associated with root rots. *Australian Journal of Experimental Agriculture* 40: 1011-1019.
- Bolland M D A & Baker M J 2000 Powdered granite is not an effective fertilizer for clover and wheat in sandy soils from Western Australia. *Nutrient Cycling in Agroecosystems* 56: 59-68.
- Bolland M D A, Siddique K H M & Brennan R F 2000 Grain yield responses of faba bean (*Vicia faba* L.) to applications of fertiliser phosphorus and zinc. *Australian Journal of Experimental Agriculture* 40: 849-857.
- Bolland M D A, Sweetingham M W & Jarvis R J 2000 Effect of applied phosphorus on the growth of *Lupinus luteus*, *L. angustifolius* and *L. albus* in acidic soils in the south-west of Western Australia. *Australian Journal of Experimental Agriculture* 40: 79-92.
- Boulton A J 2000 River ecosystem health down under: Assessing ecological condition in riverine groundwater zones in Australia. *Ecosystem Health* 6: 108-118.
- Brand J E 2000 The effects of management regime and host species on sandalwood (*Santalum spicatum*) recruitment near Paynes Find, Western Australia. *The Rangeland Journal* 22: 243-255.
- Brennan R F, Mason M G & Walton G H 2000 Effect of nitrogen fertilizer on the concentrations of oil and protein in Canola (*Brassica napus*) seed. *Journal of Plant Nutrition* 23: 339-348.
- Brennan R F, Webb M G & Crowhurst A M 2000 Yield responses of mulla mulla (*Ptilotus exaltatus* Nees.) seedlings to additions of nitrogen, potassium and phosphorus fertiliser. *Australian Journal of Experimental Agriculture* 40: 867-871.
- Broadhurst L 2000 Morphometric analysis of variation in *Geleznowia verrucosa* Turcz. (Rutaceae). *Australian Systematic Botany* 13: 479-490.
- Brooker B 2000 The range and habitat characteristics of the thick-billed grasswren (*Amytorus textilis*) in the Shark Bay region, Western Australia. *Wildlife Research* 27: 245-256.
- Buist M, Yates C J & Ladd P G 2000 Ecological characteristics of *Brachychiton populneus* (Sterculiaceae) (kurrajong) in relation to the invasion of urban bushland in south-western Australia. *Austral Ecology* 25: 487-496.
- Bunn S E & Davies P M 2000 Biological processes in running waters and their implications for the assessment of ecological integrity. *Hydrobiologia* 422: 61-70.
- Burgess S S O, Adams M A, Turner N C & Ward B 2000 Characterisation of hydrogen isotope profiles in an agroforestry system: implications for tracing water sources of trees. *Agricultural Water Management* 45: 229-241.
- Burgess S S O, Adams M A, Turner N C, White D A & Ong C K 2001 Tree roots: conduits for deep recharge of soil water. *Oecologia* 126: 158-165.
- Byrne M & Macdonald B 2000 Phylogeography and conservation of three oil mallee taxa, *Eucalyptus kochii* ssp *kochii*, ssp *pleuissima* and *E. horistes*. *Australian Journal of Botany* 48: 305-312.
- Callow M N, Michell P, Baker J E & Hough G M 2000 The effect of defoliation practice in Western Australia on tiller development of annual ryegrass (*Lolium rigidum*) and Italian ryegrass (*Lolium multiflorum*) and its association with forage quality. *Grass & Forage Science* 55: 232-241.
- Campey M L, Waycott M & Kendrick G A 2000 Re-evaluating species boundaries among members of the *Posidonia ostensfeldii* species complex (Posidoniaceae) - morphological and genetic variation. *Aquatic Botany* 66: 41-56.
- Chen Y L, Brundrett M C & Dell B 2000 Effects of ectomycorrhizas and vesicular-arbuscular mycorrhizas, alone or in competition, on root colonization and growth of *Eucalyptus globulus* and *E. urophylla*. *New Phytologist* 146: 545-556.
- Choo C 2000 Katta Djinoong: First Peoples of Western Australia. *Australian Historical Studies* 31: 347-349.
- Choy J L, Mayo M, Janmaat A & Currie B J 2000 Animal melioidosis in Australia. *Acta Tropica* 74: 153-158.
- Coates D J & Atkins K A 2001 Priority setting and the conservation of Western Australia's diverse and highly endemic flora. *Biological Conservation* 97: 251-263.
- Colquhoun I J & Hardy G E S 2000 Managing the risks of *Phytophthora* root and collar rot during bauxite mining in the *Eucalyptus marginata* (Jarrah) forest of western Australia. *Plant Disease* 84: 116-127.
- Conner R L, Clapperton M J & Kuzyk A D 2000 Control of take-all in soft white spring wheat with seed and soil treatments. *Canadian Journal of Plant Pathology-Revue Canadienne de Phytopathologie* 22: 91-98.
- Cook S E & Bramley R G V 2000 Coping with variability in agricultural production - Implications for soil testing and fertiliser management. *Communications in Soil Science & Plant Analysis* 31: 1531-1551.

- Cooper M L 2000 Random amplified polymorphic DNA analysis of southern brown bandicoot (*Isaodon obesulus*) populations in Western Australia reveals genetic differentiation related to environmental variables. *Molecular Ecology* 9: 469-479.
- Craig R S 2000 The cenozoic brachiopods of the Carnarvon Basin, Western Australia. *Palaeontology* 43: 111-152.
- Cross T F 2000 Genetic implications of translocation and stocking of fish species, with particular reference to Western Australia. *Aquaculture Research* 31: 83-94.
- Currie B J, Fisher D A, Howard D M, Burrow J N C, Selvanayagam S, Snelling P L, Anstey N M & Mayo M J 2000 The epidemiology of melioidosis in Australia and Papua New Guinea. *Acta Tropica* 74: 121-127.
- Damiani R J 2000 Early Triassic mastodonsaurids (Temnospondyli, Stereospondyli) from Western Australia, with remarks on mastodonsaurid palaeobiogeography. *Alcheringa* 24: 299-305.
- Dangerfield J M & Schuurman G 2000 Foraging by fungus-growing termites (Isoptera: Termitidae, Macrotermitinae) in the Okavango Delta, Botswana. *Journal of Tropical Ecology* 16: 717-731.
- Danielopol D L, Baltanas A & Humphreys W F 2000 *Danielopolina kornickeri* sp. n. (Ostracoda, Thaumatozostrogoidea) from a western Australian anchialine cave: morphology and evolution. *Zoologica Scripta* 29: 1-16.
- Davies C L, Turner D W & Dracup M 2000 Yellow lupin (*Lupinus luteus*) tolerates waterlogging better than narrow-leaved lupin (*L. angustifolius*) - I. Shoot and root growth in a controlled environment. *Australian Journal of Agricultural Research* 51: 701-709.
- Davies C L, Turner D W & Dracup M 2000 Yellow lupin (*Lupinus luteus*) tolerates waterlogging better than narrow-leaved lupin (*L. angustifolius*) - II. Leaf gas exchange, plant water status, and nitrogen accumulation. *Australian Journal of Agricultural Research* 51: 711-719.
- Davies C L, Turner D W & Dracup M 2000 Yellow lupin (*Lupinus luteus*) tolerates waterlogging better than narrow-leaved lupin (*L. angustifolius*) - III. Comparison under field conditions. *Australian Journal of Agricultural Research* 51: 721-727.
- Davies S L, Turner N C, Palta J A, Siddique K H M & Plummer J A 2000 Remobilisation of carbon and nitrogen supports seed filling in chickpea subjected to water deficit. *Australian Journal of Agricultural Research* 51: 855-866.
- de Lestang S, Platell M E & Potter I C 2000 Dietary composition of the blue swimmer crab *Portunus pelagicus* L. Does it vary with body size and shell state and between estuaries? *Journal of Experimental Marine Biology & Ecology* 246: 241-257.
- Denton M D, Coventry D R, Bellotti W D & Howieson J G 2000 Distribution, abundance and symbiotic effectiveness of *Rhizobium leguminosarum* bv. trifolii from alkaline pasture soils in South Australia. *Australian Journal of Experimental Agriculture* 40: 25-35.
- Des Marais D J 2000 Evolution - When did photosynthesis emerge on earth? *Science* 289: 1703-1705.
- Dodson J R & Lu J J 2000 A late Holocene vegetation and environment record from Byenup Lagoon, south-western Australia. *Australian Geographer* 31: 41-54.
- Dracup M, Galwey N & Thomson B 2000 Restricted branching narrow-leaved lupin 1. Population density. *Australian Journal of Agricultural Research* 51: 999-1010.
- Eastham J & Gregory P J 2000 The influence of crop management on the water balance of lupin and wheat crops on a layered soil in a Mediterranean climate. *Plant & Soil* 221: 239-251.
- Eldridge S R, Berman D M & Walsh B 2000 Field evaluation of four 1080 baits for dingo control. *Wildlife Research* 27: 495-500.
- Ellery A J & Chapman R 2000 Embryo and seed coat factors produce seed dormancy in capeweed (*Arctotheca calendula*). *Australian Journal of Agricultural Research* 51: 849-854.
- Ethington R L, Lehnert O & Repetski J E 2000 *Stiptognathus* new genus (Conodonta: Ibexian, lower Ordovician), and the apparatus of *Stiptognathus borealis* (Repetski, 1982). *Journal of Paleontology* 74: 92-100.
- Ewing S A, Grayson R B & Argent R M 2000 Science, citizens, and catchments: Decision support for catchment planning in Australia. *Society & Natural Resources* 13: 443-459.
- Fairclough D V, Dimmlich W F & Potter I C 2000 Length and age compositions and growth rates of the Australian herring *Arripis georgiana* in different regions. *Marine & Freshwater Research* 51: 631-640.
- Fairclough D V, Dimmlich W F & Potter I C 2000 Reproductive biology of the Australian herring *Arripis georgiana*. *Marine & Freshwater Research* 51: 619-630.
- Fama P, Olsen J L, Stam W T & Procaccini G 2000 High levels of intra- and inter-individual polymorphism in the rDNA ITS1 of *Caulerpa racemosa* (Chlorophyta). *European Journal of Phycology* 35: 349-356.
- Farrington L W, Austin C M & Coutin P C 2000 Allozyme variation and stock structure in the black bream, *Acanthopagrus butcheri* (Munro) (Sparidae) in southern Australia: implications for fisheries management, aquaculture and taxonomic relationship with *Acanthopagrus australis* (Gunther). *Fisheries Management & Ecology* 7: 265-279.
- Finston T 2000 Morphology and molecules conflict to confound species boundaries in salt lake ostracodes of the genus *Mytilocypris* (Crustacea: Ostracoda). *Australian Journal of Zoology* 48: 393-409.
- Fischer R, Pernet B & Reitner J 2000 Organomineralization of cirratulid annelid tubes - Fossil and recent examples. *Facies* 42: 35-49.
- Fong C W, Lee S Y & Wu R S S 2000 The effects of epiphytic algae and their grazers on the intertidal seagrass *Zostera japonica*. *Aquatic Botany* 67: 251-261.

- Ford H A, Barrett G W, Saunders D A & Recher H F 2001 Why have birds in the woodlands of Southern Australia declined? *Biological Conservation* 97: 71-88.
- Ford R, Garnier-Gere P H, Nasir M & Taylor P W J 2000 Structure of *Ascochyta lentis* in Australia revealed with random amplified polymorphic DNA (RAPD) markers. *Australasian Plant Pathology* 29: 36-45.
- Franklin D C & Noske R A 2000 Nectar sources used by birds in monsoonal north-western Australia: a regional survey. *Australian Journal of Botany* 48: 461-474.
- Franklin D C, Woinarski J C Z & Noske R A 2000 Geographical patterning of species richness among granivorous birds in Australia. *Journal of Biogeography* 27: 829-842.
- Frost F M 2000 Value orientations: impact and implications in the extension of complex farming systems. *Australian Journal of Experimental Agriculture* 40: 511-517.
- Gales N J, Haberley B & Collins P 2000 Changes in the abundance of New Zealand fur seals, *Arctocephalus forsteri*, in Western Australia. *Wildlife Research* 27: 165-168.
- Gammon P R, James N P & Pisera A 2000 Eocene spiculites and spongolites in southwestern Australia: Not deep, not polar, but shallow and warm. *Geology* 28: 855-858.
- Gammon P R, James N P, Clarke J D A & Bone Y 2000 Sedimentology and lithostratigraphy of upper eocene sponge-rich sediments, southern Western Australia. *Australian Journal of Earth Sciences* 47: 1087-1103.
- Garavanta C A M & Wooller R D 2000 Courtship behaviour and breeding biology of bridled terns *Sterna anaethetus* on Penguin Island, Western Australia. *Emu* 100: 169-174.
- Garavanta C A M, Wooller R D & Richardson K C 2000 Movement patterns of honey possums, *Tarsipes rostratus*, in the Fitzgerald River National Park, Western Australia. *Wildlife Research* 27: 179-183.
- Garkaklis M J, Bradley J S & Wooller R D 2000 Digging by vertebrates as an activity promoting the development of water-repellent patches in sub-surface soil. *Journal of Arid Environments* 45: 35-42.
- Gaughan D J, Mitchell R W & Blight S J 2000 Impact of mortality, possibly due to herpesvirus, on pilchard *Sardinops sagax* stocks along the south coast of Western Australia in 1998-99. *Marine & Freshwater Research* 51: 601-612.
- Gerlach K S, Bentley S, Moore N Y, Pegg K G & Aitken E A B 2000 Characterisation of Australian isolates of *Fusarium oxysporum* f. sp. *cubense* by DNA fingerprinting analysis. *Australian Journal of Agricultural Research* 51: 945-953.
- Ghadim A K A 2000 Water repellency: a whole-farm bio-economic perspective. *Journal of Hydrology* 231: 396-405.
- Gibson L A & Hume I D 2000 Seasonal field energetics and water influx rates of the greater bilby (*Macrotis lagotis*). *Australian Journal of Zoology* 48: 225-239.
- Gill J S, Sivasithamparam K & Smettem K R J 2000 Soil types with different texture affects development of *Rhizoctonia* root rot of wheat seedlings. *Plant & Soil* 221: 113-120.
- Gilmour C A, Crowden R K & Koutoulis A 2000 Heat shock, smoke and darkness: partner cues in promoting seed germination in *Epacris tasmanica* (Epacridaceae). *Australian Journal of Botany* 48: 603-609.
- Glowczewski B 2000 In the name of the father and of the land. Aboriginal people coming to grips with the past. *Homme* 409-430.
- Goldberg S R & Bursey C R 2000 Intestinal helminths of five species of scincid lizards (Sauria: Scincidae) from Western Australia. *Transactions of the Royal Society of South Australia* 124: 127-133.
- Goldingay R L 2000 Small dasyurid marsupials are they effective pollinators? *Australian Journal of Zoology* 48: 597-606.
- Gray C A & Miskiewicz A G 2000 Larval fish assemblages in south-east Australian coastal waters: Seasonal and spatial structure. *Estuarine Coastal & Shelf Science* 50: 549-570.
- Grierson P F & Adams M A 2000 Plant species affect acid phosphatase, ergosterol and microbial P in a Jarrah (*Eucalyptus marginata* Donn ex Sm.) forest in south-western Australia. *Soil Biology & Biochemistry* 32: 1817-1827.
- Griffin S L, Herzfeld M & Hamilton D P 2001 Modelling the impact of zooplankton grazing on phytoplankton biomass during a dinoflagellate bloom in the Swan River Estuary, Western Australia. *Ecological Engineering* 16: 373-394.
- Grigg A M, Pate J S & Unkovich M J 2000 Responses of native woody taxa in *Banksia* woodland to incursion of groundwater and nutrients from bordering agricultural land. *Australian Journal of Botany* 48: 777-792.
- Hall L S, Kasparian M A, Van Vuren D & Kelt D A 2000 Spatial organization and habitat use of feral cats (*Felis catus* L.) in Mediterranean California. *Mammalia* 64: 19-28.
- Hancock B 2000 Genetic subdivision of Roe's abalone, *Haliotis roei* Grey (Mollusca: Gastropoda), in south-western Australia. *Marine & Freshwater Research* 51: 679-687.
- Harris S A & Cyrus D P 2000 Comparison of larval fish assemblages in three large estuarine systems, KwaZulu-Natal, South Africa. *Marine Biology* 137: 527-541.
- Hatch J J & Szczyz P 2000 Lack of evidence for female-female pairs among Roseate Terns *Sterna dougallii* in western Australia contrasts with North Atlantic. *Emu* 100: 152-155.
- Haydon D T, Friar J K & Pianka E R 2000 Fire-driven dynamic mosaics in the Great Victoria Desert, Australia - 1. Fire geometry. *Landscape Ecology* 15: 373-381.
- Haylock M & Nicholls N 2000 Trends in extreme rainfall indices for an updated high quality data set for Australia, 1910-1998. *International Journal of Climatology*

- 20: 1533-1541.
- Hearn C J & Robson B J 2000 Modelling a bottom diurnal boundary layer and its control of massive alga blooms in an estuary. *Applied Mathematical Modelling* 24: 843-859.
- Hebert P D N & Wilson C C 2000 Diversity of the genus *Daphniopsis* in the saline waters of Australia. *Canadian Journal of Zoology - Revue Canadienne de Zoologie* 78: 794-808.
- Hegney M A, McPharlin I R & Jeffery R C 2000 Using soil testing and petiole analysis to determine phosphorus fertiliser requirements of potatoes (*Solanum tuberosum* L. cv. Delaware) in the Manjimup-Pemberton region of Western Australia. *Australian Journal of Experimental Agriculture* 40: 107-117.
- Henig-Sever N, Eshel A & Ne'eman G 2000 Regulation of the germination of Aleppo pine (*Pinus halepensis*) by nitrate, ammonium, and gibberellin, and its role in post-fire forest regeneration. *Physiologia Plantarum* 108: 390-397.
- Herring M R & O'Brien L 2000 A regional adaptation analysis of oats in New South Wales and southern Queensland for grain yield and dry matter production. *Australian Journal of Agricultural Research* 51: 961-970.
- Hindarti D, Spickett J T & Evans L H 2000 Distribution of cadmium in the cockle (*Kateleyisia scalarium*) in Princess Royal Harbour, Albany, Western Australia. *Environmental Toxicology* 15: 40-47.
- Hine P M & Thorne T 2000 A survey of some parasites and diseases of several species of bivalve mollusc in northern Western Australia. *Diseases of Aquatic Organisms* 40: 67-78.
- Horwitz P & Adams M 2000 The systematics, biogeography and conservation status of species in the freshwater crayfish genus *Euganewa* Riek (Decapoda: Parastacidae) from south-western Australia. *Invertebrate Taxonomy* 14: 655-680.
- How R A & Hillcox S J 2000 Brushtail possum, *Trichosurus vulpecula*, populations in south-western Australia: demography, diet and conservation status. *Wildlife Research* 27: 81-89.
- Howard K, Dell B & Hardy G E 2000 Phosphite and mycorrhizal formation in seedlings of three Australian Myrtaceae. *Australian Journal of Botany* 48: 725-729.
- Howieson J G, O'Hara G W & Carr S J 2000 Changing roles for legumes in Mediterranean agriculture: developments from an Australian perspective. *Field Crops Research* 65: 107-122.
- Hudson P J 2000 A new flightless species of *Pogonus uicolai* (Coleoptera: Carabidae) from Western Australia. *Australian Journal of Entomology* 39: 241-243.
- Islam M & Adams M A 2000 Nutrient distribution among metabolic fractions in 2 *Atriplex* spp. *Journal of Range Management* 53: 79-85.
- Islam M, Turner D W & Adams M A 2000 Regeneration of the legumes *Acacia austrocarpa* and *Senna notabilis* in the Pilbara region of Western Australia: mineral nutrition and carbon fractions. *Australian Journal of Botany* 48: 435-444.
- James N P, Feary D A, Surlyk F, Simo J A T, Betzler C, Holbourn A E, Li Q Y, Matsuda I I, Machiyama H, Brooks G R, Andres M S, Hine A C & Malone M J 2000 Quaternary bryozoan reef mounds in cool-water, upper slope environments: Great Australian Bight. Item Corporate Author Ocean Drilling Program Leg 182: 647-650.
- Johnson M S & Black R 2000 Associations with habitat versus geographic cohesiveness: size and shape of *Beuobicium vittatum* Philippi (Gastropoda: Littorinidae) in the Houtman Abrolhos Islands. *Biological Journal of the Linnean Society* 71: 563-580.
- Johnson M S 2000 Measuring and interpreting genetic structure to minimize the genetic risks of translocations. *Aquaculture Research* 31: 133-143.
- Jones R A C 2000 Determining 'threshold' levels for seed-borne virus infection in seed stocks. *Virus Research* 71: 171-183.
- Kalia P, Pande P K & Singh T 2000 Early Permian Foraminifera from Eastern Himalaya and their palaeobiogeographic significance. *Alcheringa* 24: 207-227.
- Kalisz P J & Powell J E 2000 Effects of prescribed fire on soil invertebrates in upland forests on the Cumberland Plateau of Kentucky USA. *Natural Areas Journal* 20: 336-341.
- Kamali M R J & Boyd W J R 2000 Quantifying the growth and development of commercial barley cultivars over two contrasting growing seasons in Western Australia. *Australian Journal of Agricultural Research* 51: 487-501.
- Kendrick G A, Hegge B J, Wyllie A, Davidson A & Lord D A 2000 Changes in seagrass cover on Success and Parmelia Banks, Western Australia between 1965 and 1995. *Estuarine Coastal & Shelf Science* 50: 341-353.
- Kenny B J 2000 Influence of multiple fire-related germination cues on three Sydney *Grevillea* (Proteaceae) species. *Austral Ecology* 25: 664-669.
- Kimsey L S 2000 The Western Australian genus *Oncorhinothynnus* Salter: New species and relationships (Hymenoptera: Tiphidae: Thynninae). *Proceedings of the Entomological Society of Washington* 102: 421-426.
- Kirkegaard J A, Sarwar M, Wong P T W, Mead A, Howe G & Newell M 2000 Field studies on the biofumigation of take-all by *Brassica* break crops. *Australian Journal of Agricultural Research* 51: 445-456.
- Kirkman H & Kirkman J 2000 Long-term seagrass meadow monitoring near Perth, Western Australia. *Aquatic Botany* 67: 319-332.
- Kitchen A M, Gese E M & Schauster E R 2000 Long-term spatial stability of coyote (*Canis latrans*) home ranges in southeastern Colorado. *Canadian Journal of Zoology - Revue Canadienne de Zoologie* 78: 458-464.

- Krajewski C, Woolley P A & Westerman M 2000 The evolution of reproductive strategies in dasyurid marsupials: implications of molecular phylogeny. *Biological Journal of the Linnean Society* 71: 417-435.
- Kraus H, Ewenz C M, Kremer M & Hacker J M 2000 The multi-scale structure of the Australian cool changes. *Meteorology & Atmospheric Physics* 73: 157-175.
- Kuhnert H, Patzold J, Wyrwoll K H & Wefer G 2000 Monitoring climate variability over the past 116 years in coral oxygen isotopes from Ningaloo Reef, Western Australia. *International Journal of Earth Sciences* 88: 725-732.
- Lamont B B, Swanborough P W & Ward D 2000 Plant size and season of burn affect flowering and fruiting of the grasstree *Xanthorrhoea preissii*. *Austral Ecology* 25: 268-272.
- Lawrence C S & Morrissy N M 2000 Genetic improvement of marron *Cherax tenuimanus* Smith and yabbies *Cherax* spp. in Western Australia. *Aquaculture Research* 31: 69-82.
- Lee W J & Patterson D J 2000 Heterotrophic flagellates (Protista) from marine sediments of Botany Bay, Australia. *Journal of Natural History* 34: 483-562.
- Leiros M C, Trasar-Cepeda C, Seoane S & Gil-Sotres F 2000 Biochemical properties of acid soils under climax vegetation (Atlantic oakwood) in an area of the European temperate-humid zone (Galicia, NW Spain): general parameters. *Soil Biology & Biochemistry* 32: 733-745.
- Li C Y 2000 RAPD analysis of genetic variation in *Eucalyptus microtheca* F. Muell. populations. *Hereditas* 132: 151-156.
- Li D Y, Komiyama H, Kurihara K & Sato Y S 2000 Case studies of the impact of landscape changes on weather modification in western Australia in summer. *Journal of Geophysical Research-Atmospheres* 105: 12303-12315.
- Lis J A 2000 *Cydnotomyx* - a new Australian burrower bug genus, with two new species (Heteroptera, Cydnidae). *Deutsche Entomologische Zeitschrift* 47: 137-141.
- Lisbjerg D & Petersen J K 2000 Clearance capacity of *Electra bellula* (Bryozoa) in seagrass meadows of Western Australia. *Journal of Experimental Marine Biology & Ecology* 244: 285-296.
- Liu A & Ridsdill S T J 2000 Feeding by redlegged earth mite (*Halotydeus destructor*) on seedlings influences subsequent plant performance of different pulse crops. *Australian Journal of Experimental Agriculture* 40: 715-723.
- Lund M A & Davis J A 2000 Seasonal dynamics of plankton communities and water chemistry in a eutrophic wetland (Lake Monger, Western Australia): implications for biomanipulation. *Marine & Freshwater Research* 51: 321-332.
- Macfarlane C, Coote M, White D A & Adams M A 2000 Photographic exposure affects indirect estimation of leaf area in plantations of *Eucalyptus globulus* Labill. *Agricultural & Forest Meteorology* 100: 155-168.
- Mackie M 2000 Reproductive biology of the halfmoon grouper, *Epinephelus riculatus*, at Ningaloo Reef, Western Australia. *Environmental Biology of Fishes* 57: 363-376.
- Magrath R D, Leedman A W, Gardner J L, Giannasca A, Nathan A C, Yezerinac S M & Nicholls J A 2000 Life in the slow lane: Reproductive life history of the White-browed Scrubwren, an Australian endemic. *Auk* 117: 479-489.
- Majer J D, Recher H F & Ganesh S 2000 Diversity patterns of eucalypt canopy arthropods in eastern and western Australia. *Ecological Entomology* 25: 295-306.
- Manning R & Boland J 2000 A preliminary investigation into honey bee (*Apis mellifera*) pollination of canola (*Brassica napus* cv. Karoo) in Western Australia. *Australian Journal of Experimental Agriculture* 40: 439-442.
- Marlow N J, Thomson P C, Algar D, Rose K, Kok N E & Sinagra J A 2000 Demographic characteristics and social organisation of a population of red foxes in a rangeland area in Western Australia. *Wildlife Research* 27: 457-464.
- Marsh S P, Pannell D J & Lindner R K 2000 The impact of agricultural extension on adoption and diffusion of lupins as a new crop in Western Australia. *Australian Journal of Experimental Agriculture* 40: 571-583.
- McCulloch M T & Esat T 2000 The coral record of last interglacial sea levels and sea surface temperatures. *Chemical Geology* 169: 107-129.
- McDiarmid L, Petney T, Dixon B & Andrews R 2000 Range expansion of the tick *Amblyomma triguttatum triguttatum*, an Australian vector of Q fever. *International Journal for Parasitology* 30: 791-793.
- McDonald M W & Maslin B R 2000 Taxonomic revision of the salwoods: *Acacia anlacocarpa* Cunn. ex Benth. and its allies (Leguminosae: Mimosoideae: section Juliflorae). *Australian Systematic Botany* 13: 21-78.
- McGonigle T P & Miller M H 2000 The inconsistent effect of soil disturbance on colonization of roots by arbuscular mycorrhizal fungi: a test of the inoculum density hypothesis. *Applied Soil Ecology* 14: 147-155.
- McKirdy S J, Jones R A C, Latham L J & Coutts B A 2000 Bean yellow mosaic potyvirus infection of alternative annual pasture, forage, and cool season crop legumes: susceptibility, sensitivity, and seed transmission. *Australian Journal of Agricultural Research* 51: 325-345.
- Menendez M & Comin F A 2000 Spring and summer proliferation of floating macroalgae in a Mediterranean coastal lagoon (Tancada Lagoon, Ebro Delta, NE Spain). *Estuarine Coastal & Shelf Science* 51: 215-226.
- Merritt D J, Touchell D H, Dixon K W, Plummer J A & Turner D W 2000 Moisture content influences survival of cryostored seed of *Banksia ashbyi* (Proteaceae). *Australian Journal of Botany* 48: 581-587.
- Millar M A, Byrne M, Coates D J, Stukely M J C & McComb J A 2000 Mating system studies in jarrah, *Eucalyptus marginata* (Myrtaceae). *Australian Journal of Botany* 48: 475-479.

- Miller J R & Cale P 2000 Behavioral mechanisms and habitat use by birds in a fragmented agricultural landscape. *Ecological Applications* 10: 1732-1748.
- Moran M J & Stephenson P C 2000 Effects of otter trawling on macrobenthos and management of demersal scalefish fisheries on the continental shelf of north-western Australia. *ICES Journal of Marine Science* 57: 510-516.
- Morcom N F & Woelkerling J 2000 A critical interpretation of coralline-coraline (Corallinales, Rhodophyta) and coralline-other plant interactions. *Cryptogamie Algologie* 21: 1-31.
- Morgan D L, Gill H S & Potter I C 2000 Age composition, growth and reproductive biology of the salamanderfish *Lepidogalaxias salamandroides*: a re-examination. *Environmental Biology of Fishes* 57: 191-204.
- Moro D & Morris K 2000 Movements and refugia of Lakeland Downs short-tailed mice, *Leggadina lakedownensis*, and house mice, *Mus domesticus*, on Thevenard Island, Western Australia. *Wildlife Research* 27: 11-20.
- Moro D & Morris K 2000 Population structure and dynamics of sympatric house mice, *Mus domesticus*, and Lakeland Downs short-tailed mice, *Leggadina lakedownensis*, on Thevenard Island, Western Australia. *Wildlife Research* 27: 257-268.
- Morris E C 2000 Germination response of seven east Australian *Grevillea* species (Proteaceae) to smoke, heat exposure and scarification. *Australian Journal of Botany* 48: 179-189.
- Morris K D 2000 The status and conservation of native rodents in Western Australia. *Wildlife Research* 27: 405-419.
- Morrison D A & Renwick J A 2000 Effects of variation in fire intensity on regeneration of co-occurring species of small trees in the Sydney region. *Australian Journal of Botany* 48: 71-79.
- Morton B 2000 The biology and functional morphology of *Fragum erngatum* (Bivalvia: Cardiidae) from Shark Bay, Western Australia: the significance of its relationship with entrained zooxanthellae. *Journal of Zoology* 251: 39-52.
- Mound L A & Moritz G 2000 *Corroboreethrips*, a new genus of minute apterous thrips (Insecta: Thysanoptera: Phlaeothripinae) from the bark of Australian Acacia trees. *Invertebrate Taxonomy* 14: 709-716.
- Mound L A & Morris D C 2000 Inquilines or kleptoparasites? New phlaeothripine Thysanoptera associated with domicile-building thrips on *Acacia* trees. *Australian Journal of Entomology* 39: 130-137.
- Mullan B P, Pluske J R, Allen J & Harris D J 2000 Evaluation of Western Australian canola meal for growing pigs. *Australian Journal of Agricultural Research* 51: 547-553.
- Murphy N E A, Loughman R, Wilson R, Lagudah E S, Appels R & Jones M G K 2000 Resistance to septoria nodorum blotch in the *Aegilops tauschii* accession RL5271 is controlled by a single gene. *Euphytica* 113: 227-233.
- Murphy N E, Loughman R, Appels R, Lagudah E S & Jones M G K 2000 Genetic variability in a collection of *Stagonospora nodorum* isolates from Western Australia. *Australian Journal of Agricultural Research* 51: 679-684.
- Murray-Wallace C V, Beu A G, Kendrick G W, Brown L J, Belperio A P & Sherwood J E 2000 Palaeoclimatic implications of the occurrence of the arcoïd bivalve *Anadara trapezia* (Deshayes) in the Quaternary of Australasia. *Quaternary Science Reviews* 19: 559-590.
- Nagy K A & Bradshaw S D 2000 Scaling of energy and water fluxes in free-living arid-zone Australian marsupials. *Journal of Mammalogy* 81: 962-970.
- Newman S J, Steckis R A, Edmonds J S & Lloyd J 2000 Stock structure of the goldband snapper *Pristipomoides multidentis* (Pisces: Lutjanidae) from the waters of northern and western Australia by stable isotope ratio analysis of sagittal otolith carbonate. *Marine Ecology-Progress Series* 198: 239-247.
- Niknam S R & McComb J 2000 Salt tolerance screening of selected Australian woody species - a review. *Forest Ecology & Management* 139: 1-19.
- Norman B M, Newbound D R & Knott B 2000 A new species of Pandaridae (Copepoda), from the whale shark *Rhincodon typus* (Smith). *Journal of Natural History* 34: 355-366.
- Olivero E B & Medina F A 2000 Patterns of Late Cretaceous ammonite biogeography in southern high latitudes: the family Kosmaticeratidae in Antarctica. *Cretaceous Research* 21: 269-279.
- Osler G H R, van Vliet P C J, Gauci C S & Abbott L K 2000 Changes in free living soil nematode and microarthropod communities under a canola-wheat-lupin rotation in Western Australia. *Australian Journal of Soil Research* 38: 47-59.
- Paling E I & McComb A J 2000 Autumn biomass, below-ground productivity, rhizome growth at bed edge and nitrogen content in seagrasses from Western Australia. *Aquatic Botany* 67: 207-219.
- Paling E I, van Keulen M, Wheeler K, Phillips J & Dyhrberg R 2001 Mechanical seagrass transplantation in Western Australia. *Ecological Engineering* 16: 331-339.
- Parsons R F 2000 Monocotyledonous geophytes: comparison of California with Victoria, Australia. *Australian Journal of Botany* 48: 39-43.
- Pate J S & Bell T L 2000 Host associations of the introduced annual root hemiparasite *Parentucellia viscosa* in agricultural and bushland settings in Western Australia. *Annals of Botany* 85: 203-213.
- Paul K I, Black A S & Conyers M K 2001 Influence of fallow, wheat and subterranean clover on pH within an initially mixed surface soil in the field. *Biology & Fertility of Soils* 33: 41-52.
- Peoples M B, Bowman A M, Gault R R, Herridge D F, McCallum M H, McCormick K M, Norton R M, Rochester I J, Scammell G J & Schwenke G D 2001 Factors regulating the contributions of fixed nitrogen by

- pasture and crop legumes to different farming systems of eastern Australia. *Plant & Soil* 228: 29-41.
- Perez-Fernandez M A, Lamont B B, Marwick A L & Lamont W G 2000 Germination of seven exotic weeds and seven native species in south-western Australia under steady and fluctuating water supply. *Acta Oecologica-International Journal of Ecology* 21: 323-336.
- Peter J C, Davison E A & Fulloon L 2000 Germination and dormancy of grassy woodland and forest species: effects of smoke, heat, darkness and cold. *Australian Journal of Botany* 48: 687-700.
- Poiani A & Wilks C 2000 Cloacal microparasites and sexual selection in three Australian passerine species. *Ethology Ecology & Evolution* 12: 251-258.
- Poidinger M, Hall R A, Lindsay M D, Broom A K & Mackenzie J S 2000 The molecular epidemiology of Kokobera virus. *Virus Research* 68: 7-13.
- Pople A R, Grigg G C, Cairns S C, Beard L A & Alexander P 2000 Trends in the numbers of red kangaroos and emus on either side of the South Australian dingo fence: evidence for predator regulation? *Wildlife Research* 27: 269-276.
- Qiu S & McComb A 2000 Properties of sediment phosphorus in seven wetlands of the Swan Coastal Plain, South-Western Australia. *Wetlands* 20: 267-279.
- Rahman M H 2000 The nutritional toxicity of sweet lupin (*Lupinus angustifolius*) seed proteins. *Journal of the Science of Food & Agriculture* 80: 72-78.
- Rasmussen B 2000 Filamentous microfossils in a 3,235-million-year-old volcanogenic massive sulphide deposit. *Nature* 405: 676-679.
- Rate A W, Robertson A E & Borg A T 2000 Distribution of heavy metals in near-shore sediments of the Swan River estuary, Western Australia. *Water, Air, & Soil Pollution* 124: 155-168.
- Raymond C A & Muneri A 2000 Effect of fertilizer on wood properties of *Eucalyptus globulus*. *Canadian Journal of Forest Research-Journal Canadien de la Recherche Forestiere* 30: 136-144.
- Read J L & Andersen A N 2000 The value of ants as early warning bioindicators: responses to pulsed cattle grazing at an Australian arid zone locality. *Journal of Arid Environments* 45: 231-251.
- Read T R, Bellairs S M, Mulligan D R & Lamb D 2000 Smoke and heat effects on soil seed bank germination for the re-establishment of a native forest community in New South Wales. *Austral Ecology* 25: 48-57.
- Reynoso G A, Morokuma M, Miura Y, Hasegawa A & Goi M 2000 Characterization of carbon assimilation rate, stomatal conductance and transpiration rate for eight proteaceae species. *Journal of the Japanese Society for Horticultural Science* 69: 576-583.
- Riding R 2000 Microbial carbonates: the geological record of calcified bacterial-algal mats and biofilms. *Sedimentology* 47: 179-214.
- Risbey D A, Calver M C, Short J, Bradley J S & Wright I W 2000 The impact of cats and foxes on the small vertebrate fauna of Heirisson Prong, Western Australia. II. A field experiment. *Wildlife Research* 27: 223-235.
- Robertson I D, Irwin P J, Lymbery A J & Thompson R C A 2000 The role of companion animals in the emergence of parasitic zoonoses. *International Journal for Parasitology* 30: 1369-1377.
- Robertson M, Nichols P, Horwitz P, Bradby K & MacKintosh D 2000 Environmental narratives and the need for multiple perspectives to restore degraded landscapes in Australia. *Ecosystem Health* 6: 119-133.
- Rokich D P, Dixon K W, Sivasithamparam K & Meney K A 2000 Topsoil handling and storage effects on woodland restoration in Western Australia. *Restoration Ecology* 8: 196-208.
- Ru Y J & Fortune J A 2000 Variation in nutritive value of plant parts of subterranean clover (*Trifolium subterraneum* L.). *Australian Journal of Experimental Agriculture* 40: 397-403.
- Ruan H D & Gilkes R J 2000 Phosphorus accumulation in farm ponds and dams in southwestern Australia. *Journal of Environmental Quality* 29: 1875-1881.
- Russell B C 2000 Review of the southern temperate fish family Aplodactylidae (Pisces: Perciformes). *Journal of Natural History* 34: 2157-2171.
- Russell E & Rowley I 2000 Demography and social organisation of the red-winged fairy-wren, *Malurus elegans*. *Australian Journal of Zoology* 48: 161-200.
- Rye R & Holland H D 2000 Life associated with a 2.76 Ga ephemeral pond?: Evidence from Mount Roe #2 paleosol. *Geology* 28: 483-486.
- Sanderson P G 2000 A comparison of reef-protected environments in Western Australia: The central west and Ningaloo coasts. *Earth Surface Processes & Landforms* 25: 397-419.
- Sankaran A V 2000 Early Archaean life in deep-sea hydrothermal ecosystem. *Current Science* 79: 1520-1522.
- Sarre G A, Platell M E & Potter I C 2000 Do the dietary compositions of *Acanthopagrus butcheri* in four estuaries and a coastal lake vary with body size and season and within and amongst these water bodies? *Journal of Fish Biology* 56: 103-122.
- Schimleck L R, Michell A J & Raymond C A 2000 Effect of site on the within-tree variation of wood properties of eucalypts as determined by NIR spectroscopy and multivariate analysis. *Appita Journal* 53: 318-322.
- Seddon S, Connolly R M & Edyvane K S 2000 Large-scale seagrass dieback in northern Spencer Gulf, South Australia. *Aquatic Botany* 66: 297-310.
- Semeniuk T A 2000 Spatial variability in epiphytic foraminifera from micro- to regional scale. *Journal of Foraminiferal Research* 30: 99-109.
- Shivas R G, Ozanne T D, Tommerup I C & Walker J 2000 First record in Australia of *Melaupsora ricini* on castor

- oil plant. *Australasian Plant Pathology* 29: 150.
- Short J & Turner B 2000 Reintroduction of the burrowing bettong *Bettongia lesueur* (Marsupialia: Potoroidae) to mainland Australia. *Biological Conservation* 96: 185-196.
- Short P S 2000 Notes on *Myriocephalus* Benth. s. lat. (Asteraceae: Gnaphalieae). *Australian Systematic Botany* 13: 729-738.
- Short P S 2000 Two new species of *Asteridea* Lindl. (Asteraceae: Gnaphalieae). *Australian Systematic Botany* 13: 739-744.
- Simpfendorfer C A, Chidlow J, McAuley R & Unsworth P 2000 Age and growth of the whiskery shark, *Furgaleus macki*, from southwestern Australia. *Environmental Biology of Fishes* 58: 335-343.
- Simpfendorfer C A, Donohue K & Hall N G 2000 Stock assessment and risk analysis for the whiskery shark (*Furgaleus macki* (Whitley)) in south-western Australia. *Fisheries Research* 47: 1-17.
- Sivapalan S, O'Brien L, Ortiz-Ferrara G, Hollamby G J, Barclay I & Martin P J 2000 An adaptation analysis of Australian and CIMMYT/ICARDA wheat germplasm in Australian production environments. *Australian Journal of Agricultural Research* 51: 903-915.
- Spennemann D H R & Allen L R 2000 Feral olives (*Olea europaea*) as future woody weeds in Australia: a review. *Australian Journal of Experimental Agriculture* 40: 889-901.
- Spieles D J & Mitsch W J 2000 Macroinvertebrate community structure in high- and low-nutrient constructed wetlands. *Wetlands* 20: 716-729.
- Stephenson P C, Edmonds J S, Moran M J & Caputi N 2001 Analysis of stable isotope ratios to investigate stock structure of red emperor and Rankin cod in northern Western Australia. *Journal of Fish Biology* 58: 126-144.
- Summers R, Clarke M, Pope T & O'Dea T 2000 Comparison of single superphosphate and superphosphate coated with bauxite residue for subterranean clover production on phosphorus-leaching soils. *Australian Journal of Soil Research* 38: 735-744.
- Surman C A & Wooller R D 2000 Seabirds off the south-western coast of Australia. *Emu* 100: 312-317.
- Takahashi K & Okada H 2000 Environmental control on the biogeography of modern coccolithophores in the southeastern Indian Ocean offshore of Western Australia. *Marine Micropaleontology* 39: 73-86.
- Takahashi K & Okada H 2000 The paleoceanography for the last 30,000 years in the southeastern Indian Ocean by means of calcareous nannofossils. *Marine Micropaleontology* 40: 83-103.
- Thomson P C & Algar D 2000 The uptake of dried meat baits by foxes and investigations of baiting rates in Western Australia. *Wildlife Research* 27: 451-456.
- Thomson P C, Marlow N J, Rose K & Kok N E 2000 The effectiveness of a large-scale baiting campaign and an evaluation of a buffer zone strategy for fox control. *Wildlife Research* 27: 465-472.
- Todd M C L, Grierson P F & Adams M A 2000 Litter cover as an index of nitrogen availability in rehabilitated mine sites. *Australian Journal of Soil Research* 38: 423-433.
- Trainor C, Fisher A, Woinarski J & Churchill S 2000 Multiscale patterns of habitat use by the Carpentarian rock-rat (*Zyzomys palatalis*) and the common rock-rat (*Z. argurus*). *Wildlife Research* 27: 319-332.
- Tran-Nguyen L, Blanche K R, Egan B & Gibb K S 2000 Diversity of phytoplasmas in northern Australian sugarcane and other grasses. *Plant Pathology* 49: 666-679.
- Turner S R, Tan B, Senaratna T, Bunn E, Dixon K W & Touchell D H 2000 Cryopreservation of the Australian species *Macropidia fuliginosa* (Haemodoraceae) by vitrification. *Cryo-Letters* 21: 379-388.
- Turner S R, Touchell D H, Dixon K W & Tan B 2000 Cryopreservation of *Anigozanthos viridis* ssp *viridis* and related taxa from the south-west of Western Australia. *Australian Journal of Botany* 48: 739-744.
- Twidale C R 2000 Early Mesozoic (? Triassic) landscapes in Australia: Evidence, argument, and implications. *Journal of Geology* 108: 537-552.
- Twigg L E, Eldridge S R, Edwards G P, Shakeshaft B J, dePreu N D & Adams N 2000 The longevity and efficacy of 1080 meat baits used for dingo control in central Australia. *Wildlife Research* 27: 473-481.
- Unkovich M J, Pate J S, Lefroy E C & Arthur D J 2000 Nitrogen isotope fractionation in the fodder tree legume tagasaste (*Chamaecytisus proliferus*) and assessment of N-2 fixation inputs in deep sandy soils of Western Australia. *Australian Journal of Plant Physiology* 27: 921-929.
- van Aarssen B G K, Alexander R & Kagi R I 2000 Higher plant biomarkers reflect palaeovegetation changes during Jurassic times. *Geochimica et Cosmochimica Acta* 64: 1417-1424.
- van Vliet P C J, Gupta V & Abbott L K 2000 Soil biota and crop residue decomposition during summer and autumn in south-western Australia. *Applied Soil Ecology* 14: 111-124.
- Vanderklift M A & Lavery P S 2000 Patchiness in assemblages of epiphytic macroalgae on *Posidonia coriacea* at a hierarchy of spatial scales. *Marine Ecology-Progress Series* 192: 127-135.
- Vincent W J 2001 Nutrient partitioning in the upper Canning River, Western Australia, and implications for the control of cyanobacterial blooms using salinity. *Ecological Engineering* 16: 359-371.
- Viney N R, Sivapalan M & Deeley D 2000 A conceptual model of nutrient mobilisation and transport applicable at large catchment scales. *Journal of Hydrology* 240: 23-44.
- Walker D I, Hillman K A, Kendrick G A & Lavery P 2001 Ecological significance of seagrasses: Assessment for management of environmental impact in Western Australia. *Ecological Engineering* 16: 323-330.

- Wallace B B, Bailey M C & Hamilton D P 2000 Simulation of vertical position of buoyancy regulating *Microcystis aeruginosa* in a shallow eutrophic lake. *Aquatic Sciences* 62: 320-333.
- Wardell-Johnson G & Williams M 2000 Edges and gaps in mature karri forest, south-western Australia: logging effects on bird species abundance and diversity. *Forest Ecology & Management* 131: 1-21.
- Wardell-Johnson G W 2000 Responses of forest eucalypts to moderate and high intensity fire in the Tingle Mosaic, south-western Australia: comparisons between locally endemic and regionally distributed species. *Austral Ecology* 25: 409-421.
- West R J & Walford T R 2000 Estuarine fishes in two large eastern Australian coastal rivers - does prawn trawling influence fish community structure? *Fisheries Management & Ecology* 7: 523-536.
- Weston M A & Elgar M A 2000 The effect of a major rainfall event on hooded plovers on a salt-lake in western Australia. *Emu* 100: 64-69.
- Wienecke B C, Bradley J S & Wooller R D 2000 Annual and seasonal variation in the growth rates of young little penguins *Eudyptula minor* in Western Australia. *Emu* 100: 139-147.
- Winchester-Seeto T, Foster C & O'Leary T 2000 Chitinozoans from the Middle Ordovician (Darrivilian) Goldwyer and Nita formations, Canning Basin (Western Australia). *Acta Palaeontologica Polonica* 45: 271-300.
- Woinarski J C Z 2000 The conservation status of rodents in the monsoonal tropics of the Northern Territory. *Wildlife Research* 27: 421-435.
- Wong M T F, Edwards N K & Barrow N J 2000 Accessibility of subsoil potassium to wheat grown on duplex soils in the south-west of Western Australia. *Australian Journal of Soil Research* 38: 745-751.
- Wood N & Lavery P 2000 Monitoring seagrass ecosystem health - The role of perception in defining health and indicators. *Ecosystem Health* 6: 134-148.
- Wood R 2000 Novel paleoecology of a postextinction reef: Famennian (Late Devonian) of the Canning basin, north-western Austral. *Geology* 28: 987-990.
- Wood R 2000 Palaeoecology of a Late Devonian back reef: Canning Basin, Western Australia. *Palaeontology* 43: 671-703.
- Wooller R D, Richardson K C, Garavanta C A M, Saffer V M & Bryant K A 2000 Opportunistic breeding in the polyandrous honey possum, *Tarsipes rostratus*. *Australian Journal of Zoology* 48: 669-680.
- Yates C J, Norton D A & Hobbs R J 2000 Grazing effects on plant cover, soil and microclimate in fragmented woodlands in south-western Australia: implications for restoration. *Austral Ecology* 25: 36-47.
- Yazawa Y, Wong M T F, Gilkes R J & Yamaguchi T 2000 Effect of additions of brown coal and peat on soil solution composition and root growth in acid soil from wheatbelt of western Australia. *Communications in Soil Science & Plant Analysis* 31: 743-758.
- You M P, Sivasithamparam K, Riley I T & Barbetti M J 2000 The occurrence of root-infecting fungi and parasitic nematodes in annual *Medicago* spp. in Western Australian pastures. *Australian Journal of Agricultural Research* 51: 435-444.

Note from the Honorary Editor:

This column in the *Journal of the Royal Society of Western Australia* helps to link the various disciplines and inform others of the broad spectrum of achievements of WA scientists (or others writing about WA).

References are abstracted from Current Contents by searching for Western Australia in the title and abstract. The references are separated into Physical Sciences and Biological Sciences.



P C Withers
Honorary Editor
Royal Society of Western Australia
c/o Western Australian Museum
Francis Street
Perth WA 6000